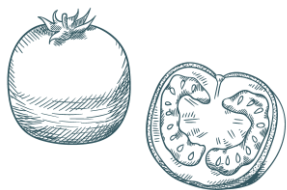


# International workshop on the implementation of the regulation on organic seed

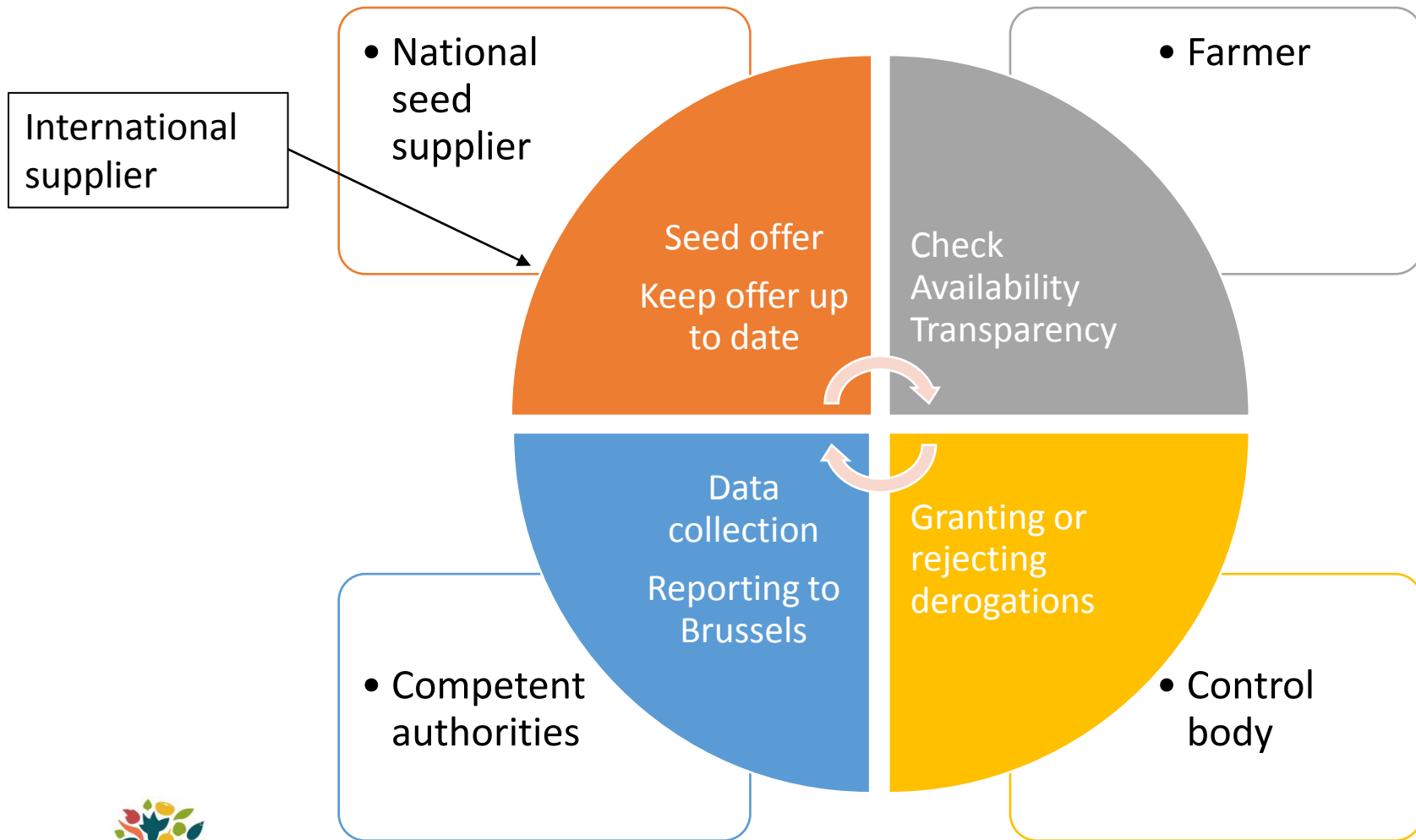
*Smart practices to  
increase production and  
use of organic seed*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727230. The information provided reflects the views of the authors. The Research Executive Agency is not responsible for any use that may be made of the information provided.



# Improve the national seed database



Almost all NW Europe countries currently maintain an interactive organic seed database

- *Source: Liveseed booklet 'the state of organic seed in Europe'*

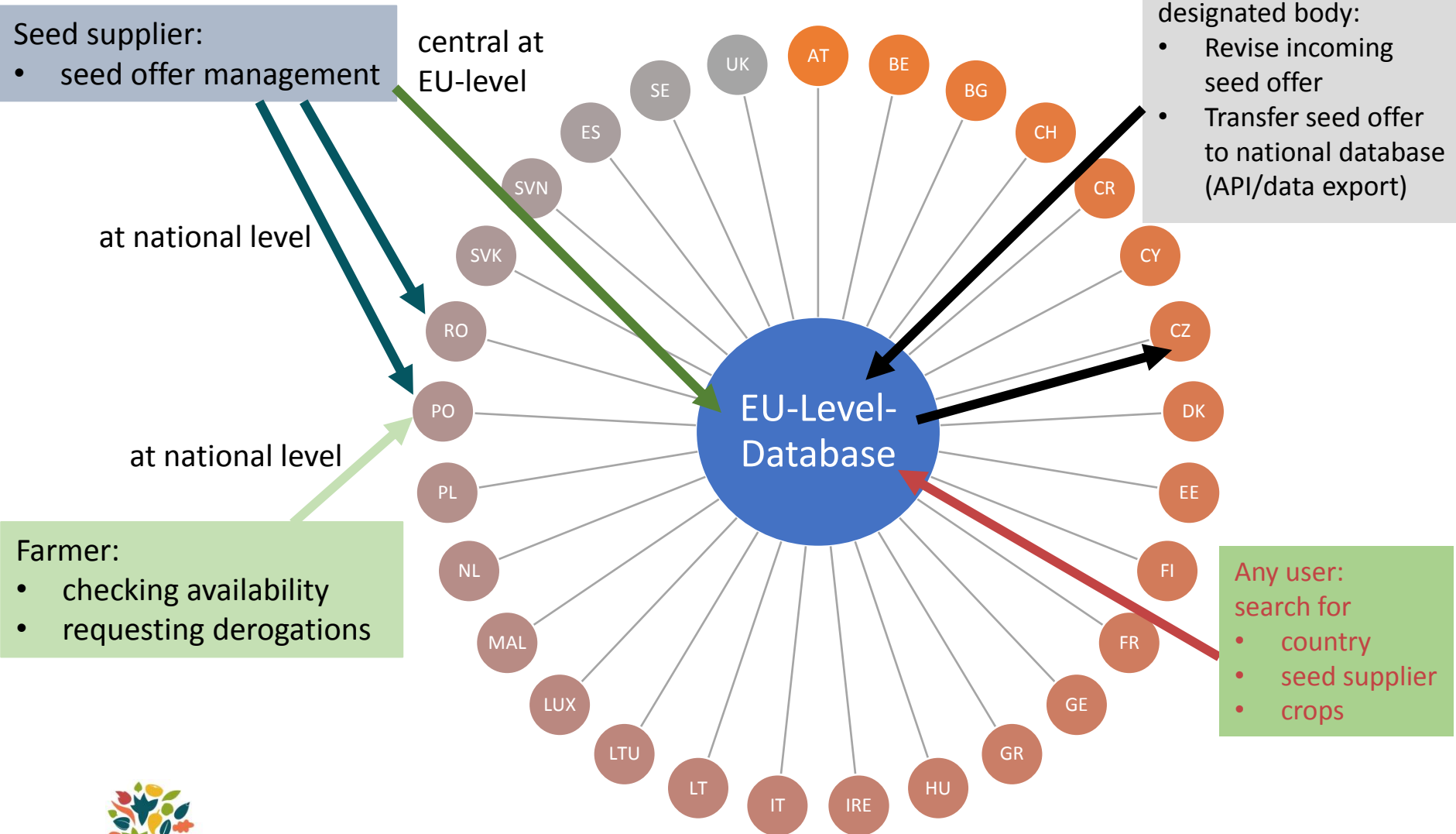
<https://www.liveseed.eu/tools-for-practitioners/booklets/>



TABLE 1.1 Functions of organic seed databases in EU Member States and Switzerland in 2018<sup>3</sup>.

COUNTRY	Interactive Database/ Search Function	Seed Offer Upload Method	Virtual Helpdesk	User Guide/ FAQ's
AUSTRIA	Yes	Seed supplier & database manager	Available	Not available
BELGIUM	Yes	Direct by seed supplier	Available	Available
BULGARIA	No	Database manager	Not available	Not available
CROATIA	No	Seed supplier & database manager	Available	Available
CZECH REPUBLIC	Yes	Seed supplier & database manager	Available	Available
CYPRUS	No	Database manager	Not available	Not available
DENMARK	Yes	Seed supplier & database manager	Not available	Available
ESTONIA	No	Database manager	Available	Not available
FINLAND	No	Database manager	Available	Available
FRANCE	Yes	Seed supplier & database manager	Available	Available
GERMANY	Yes	Direct by seed supplier	Available	Available
GREECE	Yes	Database manager	Not available	Not available
HUNGARY	Yes	Database manager	Available	Not available
IRELAND	Yes	Direct by seed supplier	Available	Available
ITALY	Yes	Direct by seed supplier	Available	Available
LATVIA	Yes	Database manager	Available	Not available
LITHUANIA	Yes	Database manager	Available	Not available
LUXEMBOURG	Yes	Direct by seed supplier	Available	Available
MALTA	No	Database manager	Not available	Available
NETHERLANDS	Yes	Database manager	Available	Not available
POLAND	No	Database manager	Not available	Not available
PORTUGAL	Yes	Direct by seed supplier	Available	Available
ROMANIA	No	Database manager	Not available	Not available
SLOVAKIA	No	Database manager	Available	Not available
SLOVENIA	No	Seed supplier & database manager	Not available	Not available
SPAIN	Yes	Database manager	Not available	Not available
SWEDEN	Yes	Direct by seed supplier	Available	Available
SWITZERLAND	Yes	Direct by seed supplier	Available	Available
UNITED KINGDOM	Yes	Direct by seed supplier	Available	Available

# The EU-level Router Database



# Instal seed expert groups

- Belgium vegetables and arable/fodder
- Germany vegetables and arable/fodder
- France field crops and potatoes, forage, vegetables, **arboriculture and small fruits, viticulture**
- Netherlands vegetables, greenhouse crops, arable/fodder, **vegetative propagating material**
- Sweden cereals and pulses, forage, vegetables, *potatoes (inactive now)*
- Switzerland arable/fodder, **fruits**, vegetables, herbs, **ornamentals**
- Denmark vegetables, grasses and clover, arable crops



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# Restrict derogations with the national Annex

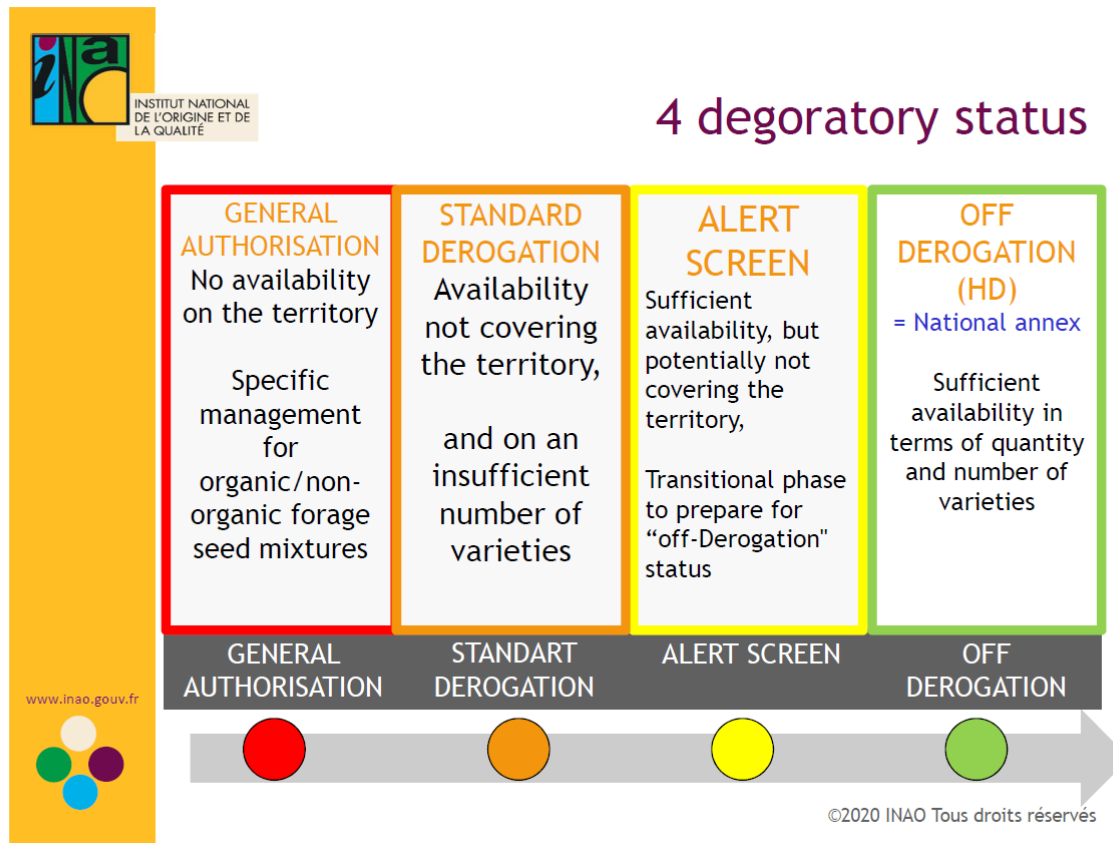
- List of crops on cat. 1 per country
- Nov 2019
- Source: Liveseed booklet 'the state of organic seed in Europe'



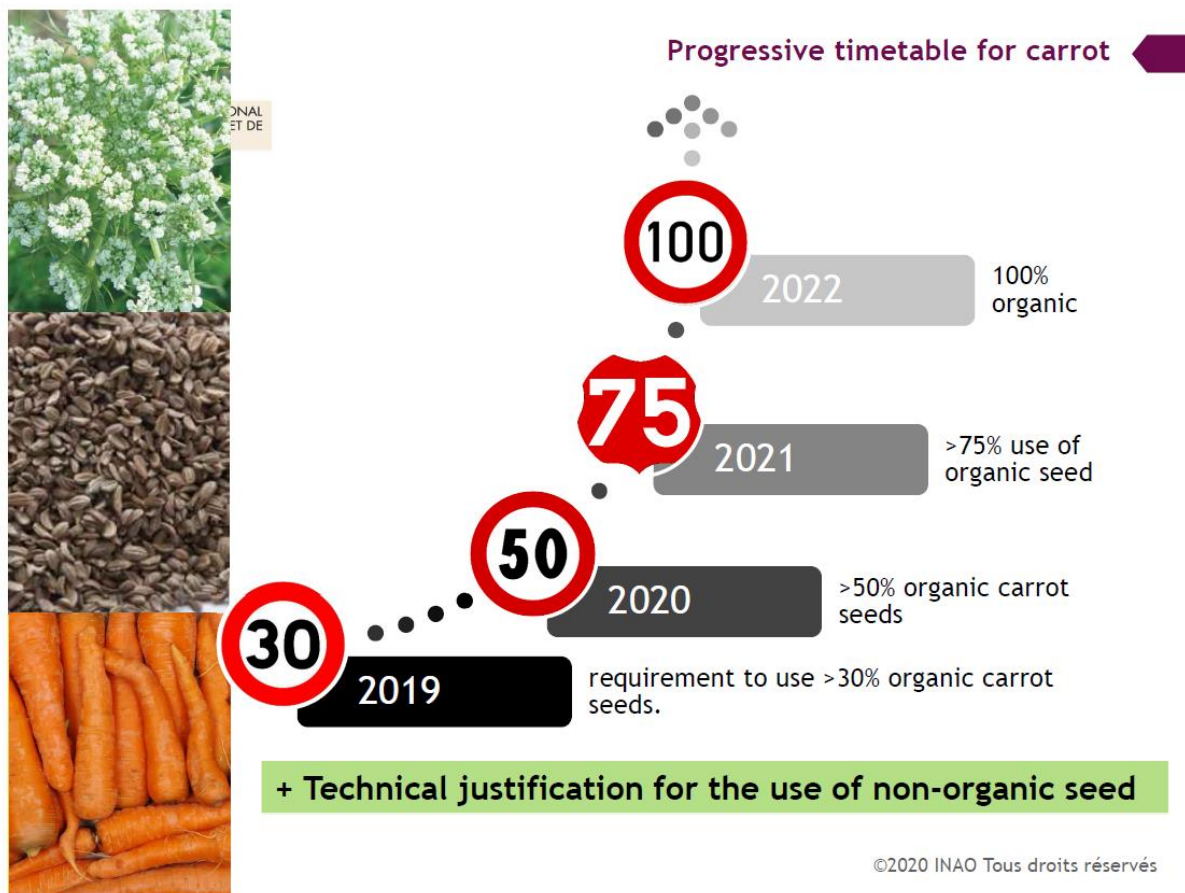
COUNTRY	Category I (organic seed available of sufficient cultivars, no derogation)
BELGIUM	Beetroot, Cabbage, Celery, Cress, Cucumber, Endive, Onion, Pumpkin, <b>Purslane</b> , <b>Spelt</b> , Swiss Chard, Triticale
FRANCE	Bean, Carrot, Celery, Cucumber, Eggplant, Endive, Fennel, Gherkin, Grain Maize, Lettuce, Onion, Parsley, Pumpkin, Radish, <b>Soft Wheat</b> , <b>Spelt</b> , Squash, <b>Triticale</b>
GERMANY	Blue Lupine, <b>Buckwheat</b> , Clover, <b>Cress</b> , Cucumber, Endive, Grain Maize, Mustard, Oat, Onion, Potatoes, Pumpkin, Radish, Runner Bean, Rye, Ryegrass, <b>Sugar Beet</b> , Sweet Pepper, Vetch
LUXEMBOURG	Blue Lupine, <b>Buckwheat</b> , Clover, <b>Cress</b> , Cucumber, Endive, Grain Maize, Mustard, Oat, Onion, Potatoes, Pumpkin, Radish, Runner Bean, Rye, Ryegrass, <b>Sugar Beet</b> , Sweet Pepper, Vetch
NETHERLANDS	Barley, Bean, Beetroot, <b>Buckwheat</b> , Chicory, Clover, <b>Cress</b> , Cucumber, Endive, Fennel, Fescue, French Tarragon, Fresh Pea, <b>Garlic</b> , Gherkin, Grain Maize, Grass Mixtures**, Herbs, Kohlrabi, Leaf Celery, Lettuce, Lovage, <b>Lucerne</b> , Mustard, <b>Oat</b> , Onion, Parsley, Peppermint, <b>Phacelia</b> , <b>Potato</b> , Pumpkin, Purslane, Radish, Rye, Ryegrass, Shallot (sets), <b>Soft Wheat</b> , <b>Spelt</b> , Squash, Strawberry, <b>Sugar Beet</b> , Sugar Pea, Sweet Pepper, Swiss Chard, <b>Timothy</b> , Tomato, Triticale, Turnip, Vetch
SWEDEN	<b>Barley</b> , Clover, <b>Fava Bean</b> , Fescue, Field Pea, Oat, Ryegrass, <b>Soft Wheat</b> , <b>Timothy</b>
SWITZERLAND	Barley, Cress, Emmer, Grain Maize, Mustard, Oat, Or Ornamentals***, <b>Phacelia</b> , Rye, Ryegrass, <b>Soft Wheat</b> , <b>Soybean</b> , S Triticale, Vetch



# The example of France



# The example of France



# The example of Denmark

- Suitability of varieties evaluated by experts according to specific criteria
- If a derogation is applied for and **equivalent and suitable varieties** are available, no derogation is granted, unless the farmer has specific needs at his farm.
- Crops that are not harvested, e.g. catch crops, must always be from organic seed

# Make specific rules for vegetative propagating material

- Fruit trees:

Farmers have to order on time  
(1,5 year in advance)

- Potatoes:

Farmers have to order their  
seed potatoes before a certain date (feb/march 1)  
-> after that date no derogation



# Stimulate organic breeding

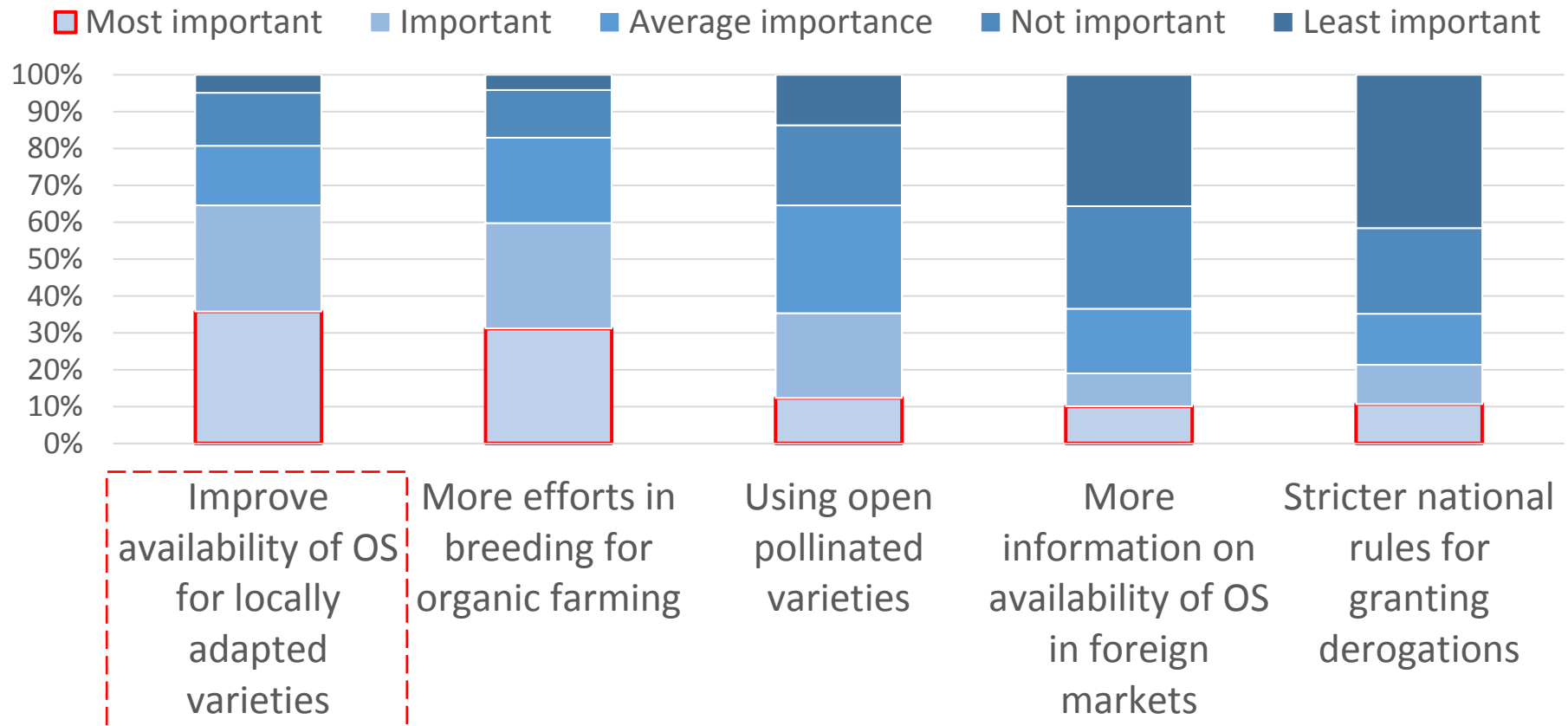
- Switzerland: Org breeding programs on wide variety of crops (GZPK, FiBL, Agroscope)
- Germany: Organic breeders are supported with funding from Saatgutfonds by GLS-bank, supply chain partnerships and some public funding for research
- United Kingdom: Wakelyns wheat population programme (ORC)
- Netherlands: organic potato breeding (Bio-impuls)
- Belgium: Spelt, wheat and potato (Wallonia) and grasses and clover (Flanders)



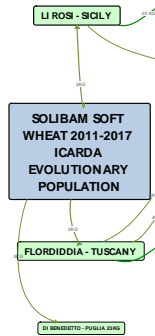
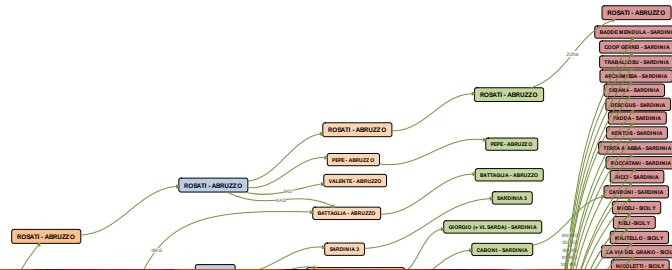
This project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727230.



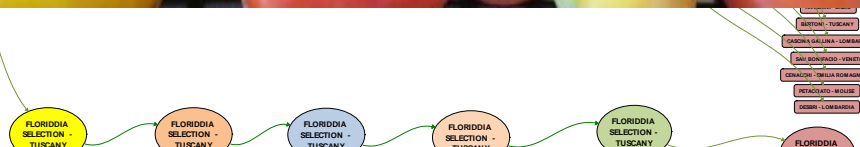
# Farmers request: Improve the availability of organic seed from locally adapted varieties



New category of seed: organic heterogeneous material

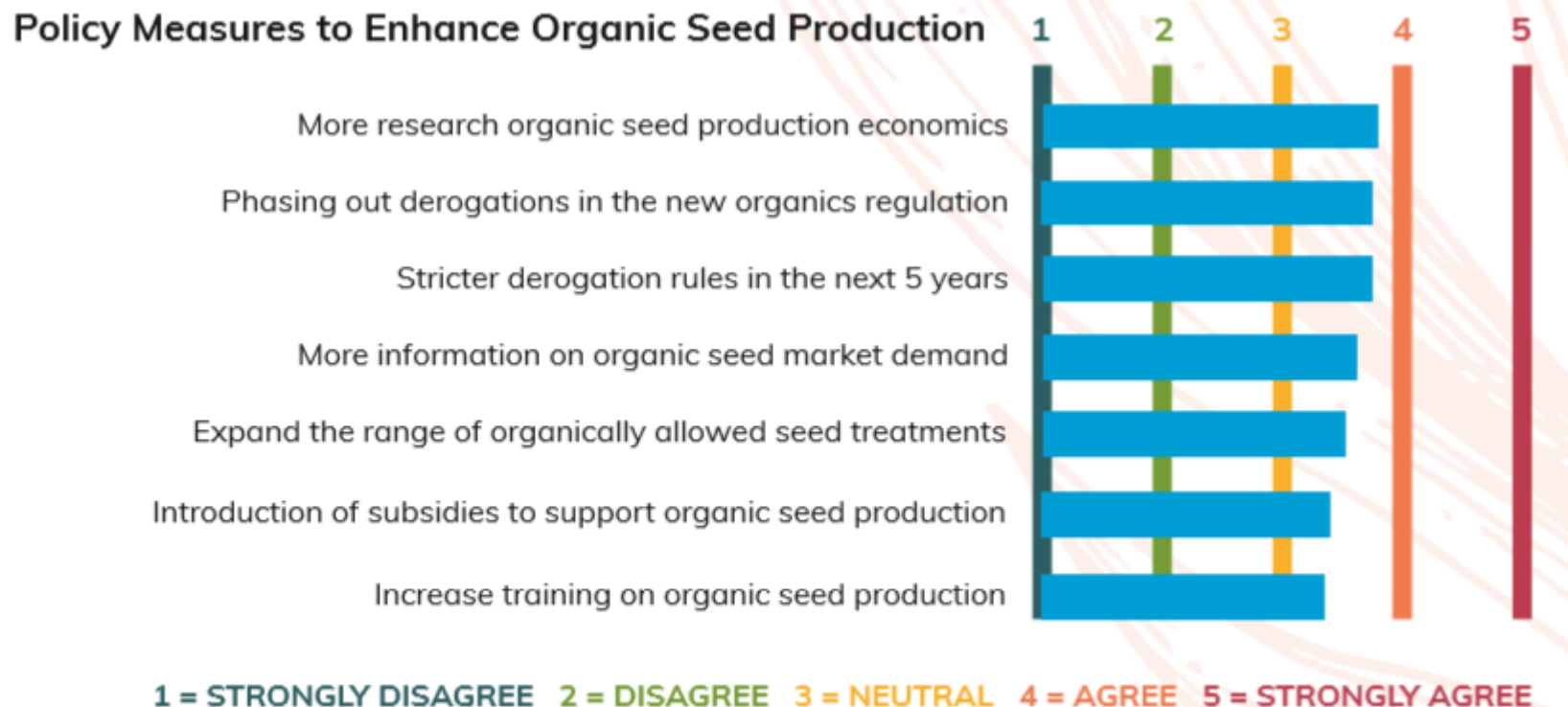


**YEAR OF  
HARVEST:  
STARTING WITH  
FIRST SOWING IN  
OCTOBER 2010**



# Seed supplier and breeders survey

## Policy measure to enhance organic seed production



**FIGURE 4.6** Seed companies' rating of policy measures addressing organic seed production bottlenecks

# The example of Bejo

- Breeding for organic; Selecting the best suitable parent-lines from the conventional trial fields for the organic program at the earliest stage possible, combining the best of both programs
- Introduce part of your assortment only as organic seed



# Organize organic field trials




**IFOAM** MAKING  
EU GROUP MORE  
ORGANIC

**FiBL**  
Switzerland

**AEGIOLOPS**  
Greek Network for Biodiversity  
and Ecology in Agriculture

**AGES**

**Agrologica**  
Plant breeding  
and  
research

 Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra  
  
Swiss Confederation

Federal Department of Economic Affairs,  
Education and Research EAER  
**Agroscope**

  
de beersche hoeve

 Institute of  
Agricultural Resources  
and Economics

Ökologische Saaten  
**bingenheimer**  
saatgut

 **Bionext**

 **BIOSELENA**  
FOUNDATION  
FOR ORGANIC  
AGRICULTURE

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Naturkost Naturwaren

 **Cultivari GmbH** Ditzau  
Getreidezüchtungsforschung

 **crea**  
Consiglio per la ricerca in agricoltura  
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l'Institut de l'agriculture  
et de l'alimentation biologique

 **ESAC**  
ESCOLA SUPERIOR AGRÁRIA  
POLITÉCNICO DE COIMBRA

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SCIENCE & IMPACT

 **iung**

 **SEMENTES**  
**VIVAS**

 **Louis Bolk**  
Instituut

 **ATK**

 **ÖMKi**

ORGANIC  
RESEARCH  
CENTRE  
 **ELM FARM**

 Rete  
Semi  
Rurali

 **sativa**  
Biologisches Saat- und Pflanzgut  
Semences et plants biologiques

 **SEAE**  
Sociedad Española de  
Agricultura Ecológica  
Agroecología

 **SEGES**

 **NARDI**  
FUNDULEA

 **Ubios**  
GARDEN OF SEEDS

 **UNIVERSIDADE**  
DE ÉVORA

 **UNIVERSITÀ**  
POLITECNICA  
DELLE MARCHE

**UNIKASSEL**  
**VERSITÄT**

 **Vitalis**  
Organic Seeds

 **UNIVERSITAT**  
POLITÈCNICA  
DE VALÈNCIA

 **LIVESEED**



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